

**MATERIAL SAFETY DATA SHEET**

This form complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): **Arvanil**

SECTION I - Product Identification
Arvanil

Manufacturer Name and Address:	Telephone #s:	Dates:
Cayman Chemical Company	(800)364-9897	Date Entered: 11/13/2000
1180 E. Ellsworth Rd.		Last Revision: 11/13/2000
Ann Arbor, MI. 48108	(734)971-3335	MSDS Printed: 11/13/2000

Synonyms:
N-[(4-hydroxy-3-methoxyphenyl)methyl]-5Z,8Z,11Z,14Z-eicosatetrae namide; N-Vanillylarachidonamide
Chemical Family: Lipid Neurotransmitters
Hazard Label: Health: 2
Molecular Formula: C28H41NO3 Flammability: 2 , Molecular Weight: 439.60 Reactivity: 0

SECTION II - Hazardous Ingredients/Identity Information
Arvanil

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percentage
Arvanil	128007-31-8				100.0

SECTION III - Physical/Chemical Characteristics
Arvanil

Boiling Point: NE or NA Specific Gravity (Water = 1): NE or NA Melting Point: NE or NA Vapor Pressure (mm Hg): . . . NE or NA
Vapor Density (Air=1): . . . NE or NA Physical States: [] Gas Evaporation Rate: NE or NA [X] Liquid (Butyl Acetate=1) []
Solid Solubility In Water: 1 mg/ml* at 25.0 C *0.1M Na2CO3, sol. in EtOH, DMSO, & DMF Percent Volatile: NE or NA
Appearance and Odor:
A clear, colorless solution

SECTION IV - Fire and Explosion Hazard Data
Arvanil

**MATERIAL SAFETY DATA SHEET**

This form complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): **Olvanil**

SECTION I - Product Identification
Olvanil

Manufacturer Name and Address:	Telephone #s:	Dates:
Cayman Chemical Company	(800)364-9897	Date Entered: 11/13/2000
1180 E. Ellsworth Rd.		Last Revision: 11/13/2000
Ann Arbor, MI. 48108	(734)971-3335	MSDS Printed: 11/13/2000
Synonyms:		
N-[(4-hydroxy-3-methoxyphenyl)methyl]-9Z-octadecenamide; NE 19550; N-Vanillyloleamide		
Chemical Family: Lipid Neurotransmitters		
Hazard Label: Health: 2		
Molecular Formula: C ₂₆ H ₄₃ NO ₃ Flammability: 2 , Molecular Weight: 417.60 Reactivity: 0		

SECTION II - Hazardous Ingredients/Identity Information
Olvanil

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percentage
Olvanil	58493-49-5				100.0

SECTION III - Physical/Chemical Characteristics
Olvanil

Boiling Point: NE or NA Specific Gravity (Water = 1): NE or NA Melting Point: NE or NA Vapor Pressure (mm Hg): . . . NE or NA
Vapor Density (Air=1): . . . NE or NA Physical States: [] Gas Evaporation Rate: NE or NA [X] Liquid (Butyl Acetate=1) []
Solid Solubility In Water: 1 mg/ml* at 25.0 C *0.1M Na₂CO₃, sol. in EtOH, DMSO, & DMF Percent Volatile: NE or NA
Appearance and Odor:
A clear, colorless solution

SECTION IV - Fire and Explosion Hazard Data
Olvanil